LAND CRUISER Station Wagon

OUTLINE OF NEW FEATURES

The following changes are made for the new Land Cruiser Station Wagon.

1. Model Line-up

A model with 3UR-FE engine is added for G.C.C. countries.

Model	Engine	Drive Type	Transmission	Grade
			6-speed Automatic	
URJ200L-GNTEKV	3UR-FE	4WD	AB60F	VX

60^{th} anniversary models are added for G.C.C. countries in accordance with the specification.

2. Interior

An assist grip is provided in the driver seat roof on the GX grade of models for G.C.C. countries.

3. 3UR-FE Engine

The 3UR-FE engine has been newly introduced to models for G.C.C. countries.

4. 2UZ-FE Engine

Emission regulation compliance for G.C.C. countries has changed from EURO III to EURO II.

5. Automatic Transmission

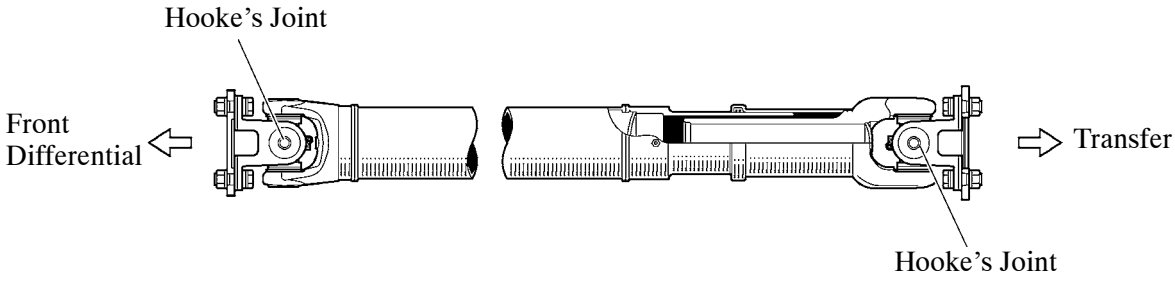
On the newly introduced models with 3UR-FE engine, the AB60F 6-speed automatic transmission is provided. The basic construction is the same as that of the models with 1VD-FTV engine.

6. Transfer

- Use of the JF2A transfer has been continued.
- A low viscosity Toyota Genuine Transfer Gear Oil LF (SAE 75W) is used, thus improving fuel economy.

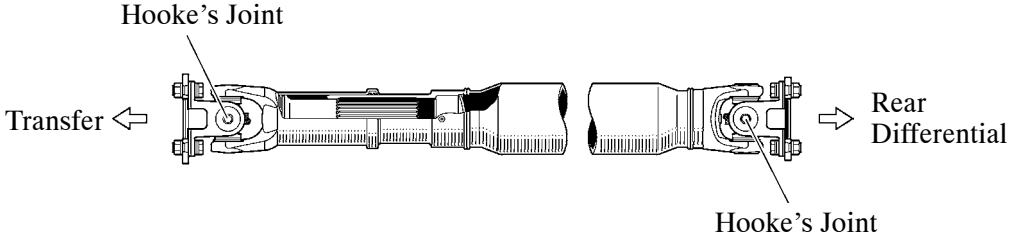
7. Propeller Shaft

On the newly introduced models with 3UR-FE engine, the following propeller shafts are provided.



Front Propeller Shaft Assembly

0814CH001Y



Rear Propeller Shaft Assembly

080CH17Y

8. Differential

On the newly introduced models with 3UR-FE engine, the following differentials are provided. The basic construction is the same as that of the previous models.

- The front differential uses the SD22A type.
- The rear differential uses the BD24A type.

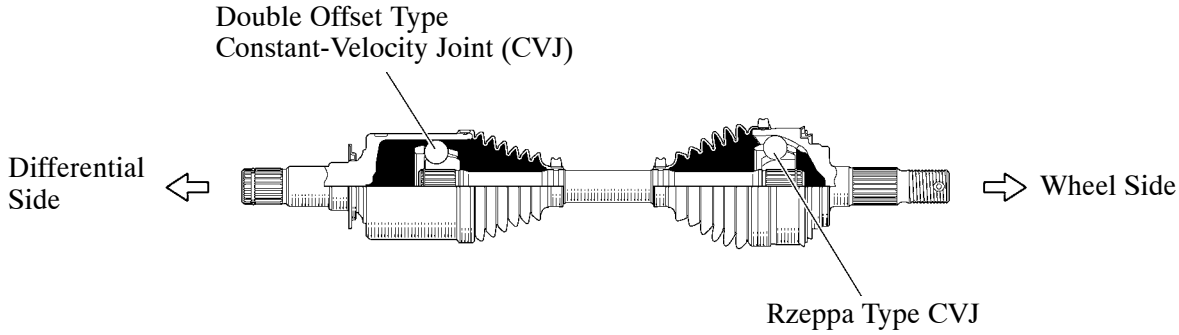
▶ Specifications ◀

Differential Type	SD22A	BD24A
Differential Gear Ratio	3.909	←
Ring Gear Size	220.0 mm (8.7 in.)	240.0 mm (9.5 in.)
Oil Capacity	1.9 Liters (2.0 US qts, 1.7 Imp. qts)	4.2 Liters (4.4 US qts, 3.7 Imp. qts)
Oil Viscosity	SAE 75W-85	←
Oil Grade	API GL-5	←
Weight (Reference)*	33.7 kg (74.3 lb)	38.0 kg (83.8 lb)

*: Weight shows the figure with no fluids.

9. Drive Shaft

On the newly introduced models with 3UR-FE engine, the following drive shaft is provided.



10. Suspension

- On the newly introduced 3UR-FE engine models, coil spring type double-wishbone independent suspension is used for the front suspension, and 4-link coil spring with lateral rod type suspension is used for the rear suspension. The basic construction is the same as that of the previous models.
- The Kinetic Dynamic Suspension System (KDSS) is provided as standard equipment on models with 3UR-FE engine.

11. Brake

On the newly introduced models with 3UR-FE engine, the following brake system is provided. The basic construction is same as that of the previous models.

▶ Specifications ◀

Brake Booster		Hydraulic
Master Cylinder	Type	Single (Double Piston)
	Diameter	Large: 26.99 mm (1.06 in.) Small: 20.00 mm (0.79 in.)
Front Brake	Caliper Type	S15WA
	Wheel Cylinder Diameter	51.1 mm (2.01 in.) × 2
	Rotor Size (Outer Diameter × Thickness)	340.0 mm × 32.0 mm (13.39 in. × 1.26 in.)
	Pad Area	65.0 cm^2 (10.08 $in.^2$) × 2
	Pad Material	PV565H
Rear Brake	Caliper Type	FS13C
	Wheel Cylinder Diameter	45.4 mm (1.79 in.)
	Rotor Size (Outer Diameter × Thickness)	345.0 mm × 18.0 mm (13.59 in. × 0.71 in.)
	Pad Area	36.7 cm^2 (5.69 $in.^2$) × 2
	Pad Material	PS558H
Parking Brake	Type	Duo Servo Drum
	Drum Inner Diameter	240.0 mm (9.45 in.)
Brake Control System		Multi-terrain Anti-lock Brake System (ABS), Electronic Brake Force Distribution (EBD), Brake Assist, Active Traction Control (A-TRC), Vehicle Stability Control (VSC), Hill-start Assist Control and CRAWL

12. Steering

- On the newly introduced models with 3UR-FE engine, a rack and pinion type steering gear and an engine speed sensing type hydraulic power steering are provided. The basic construction is the same as that of the previous models.
- On models with 3UR-FE engine, a manual tilt and telescopic steering column is provided as standard equipment, and a power tilt and power telescopic steering column is provided as optional equipment.

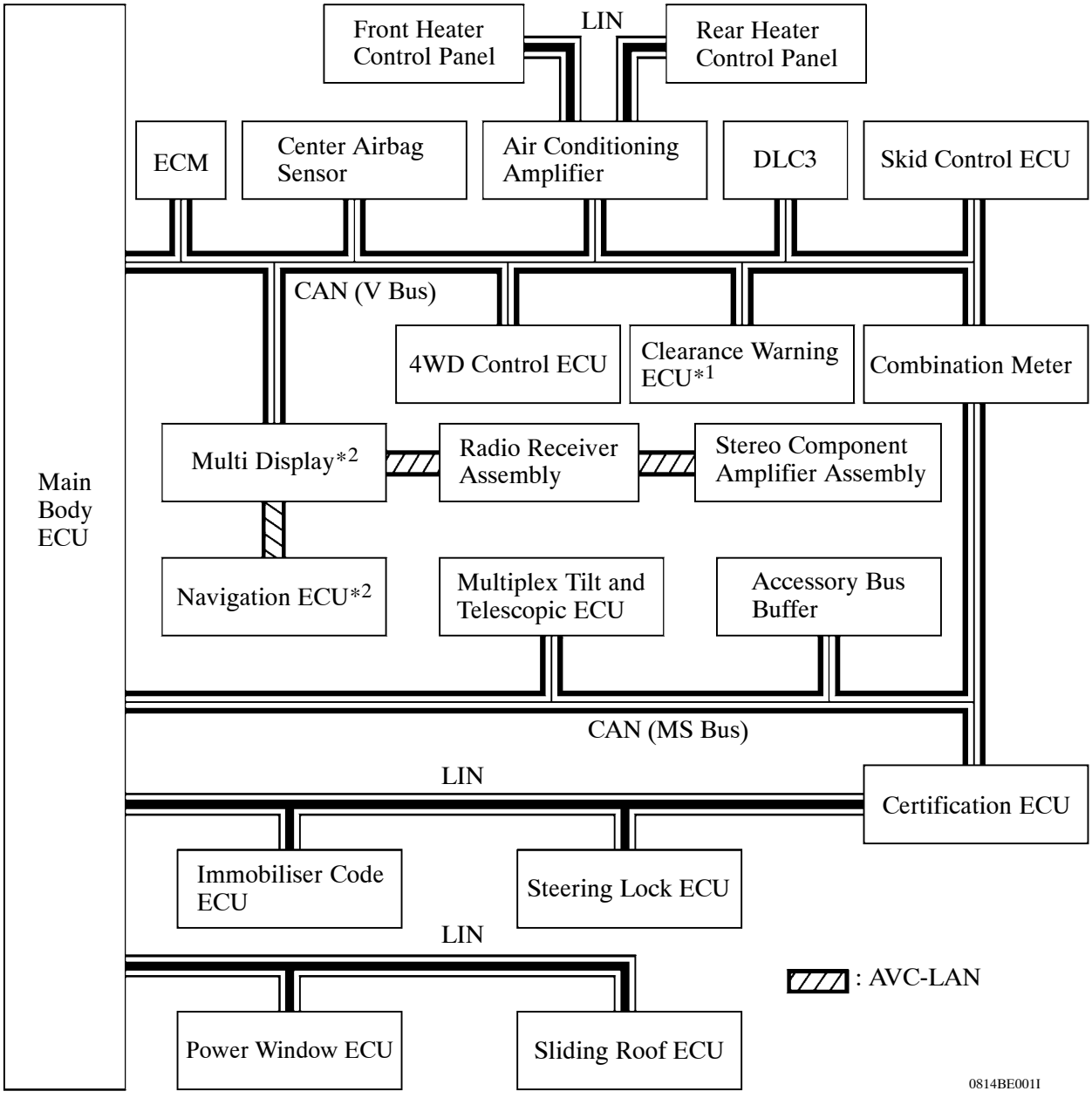
▶ Specifications ◀

Gear Ratio (Overall)		16.7
No. of Turns Lock to Lock		3.14
Rack Stroke		175.0 mm (6.89 in.)
Fluid Type		ATF Type DEXRON®II or III
Vane Pump	Theoretical Discharge Rate	15.0 l/min at 1000 rpm
	Relief Valve Mechanism	Incorporated into Pump
	Relief Pressure	12.1 MPa (123.4 kgf/cm^2, 1755.0 psi)

13. Multiplex Communication

On LHD models without VSC, the organization of the Controller Area Network (CAN) has been changed in accordance with the discontinuation of the network gateway ECU.

▶ LHD Models without VSC ◀



*1: Models with clearance sensor system
*2: Models with navigation system

14. Meter

An Optitron display type combination meter assembly is newly provided on models for G.C.C. countries with 3UR-FE engine.